Dell Wyse Windows® Embedded 8 Standard thin clients

Power and flexibility of Windows® 8 in a thin client

Dell Wyse Windows® Embedded 8 Standard thin clients.

Learn more. Here:

Introducing Windows® Embedded 8 Standard thin clients

Power and flexibility of Windows® 8 in a thin client

Combine the new look and feel of Windows® 8 with the security and ease of management of powerful Dell Wyse thin clients for secure, high-performance virtual desktops both users and IT will love.

Windows® Embedded 8 Standard is better with Dell Wyse thin clients:

Great to use

- Patent-pending user customizable Windows® 8 desktop with WE8S customizable start screen, start menu, tool bar, and short cuts from Dell
- Powerful dual or quad core AMD APU drives fast, fluid graphics with Microsoft RemoteFX, multi-touch capabilities and Internet Explorer® 10
- Supports a broad range of Windows® applications and peripherals, including the most demanding 64-bit apps
- Users can access corporate resources, cruise the Internet with a local browser, and access apps locally

Secure

- Applications and content are stored in the data center where they are protected; thin clients have a much smaller attack surface than PCs
- Advanced Windows® 8 security: BitLocker drive encryption automatically encrypts local data; Secure Boot protects thin clients from programs that are not electronically signed as valid

Easy to Manage

- Convenient central management with Dell Wyse Device Manager software that scales as you grow from just a few to tens of thousands of thin clients
- Manage with your existing Microsoft® System Center Configuration Manager 2012 Service Pack 1

Dell Wyse thin clients

The Dell Wyse line offers dual or quad core options to suit your budget, application, and performance needs. Click the images to learn more.

Dell Wyse D class
Powerful and compact

Dell Wyse Z class
When performance and versatility matter

Quick compare

Specifications

Quick compare Hardware platforms

Dell Wyse Windows® Embedded 8 Standard thin clients:

- Support familiar Windows applications and peripherals
- Can be managed with Dell Wyse Device Manager or Microsoft System Center Configuration Manager
- Are ultra-reliable with no moving parts
- Are extremely energy efficient

Dell Wyse D class

Dell Wyse Z class

Powerful & compact

For knowledge workers and power users with demanding virtual desktop applications. Great for kiosks and digital signage

When performance & versatility matter

For power users who demand the best performance and connectivity with a wide range of peripherals

Dell Wyse D class thin clients Features

When performance really matters

Offering a choice of a dual or quad core AMD APU in a compact chassis, the D class provides a fast, rich Windows Embedded Standard 8 experience for demanding knowledge workers and power users. With its extremely compact size and high performance, it's great as a VDI endpoint, and for digital signage and kiosks.

Consuming as little as 9 watts of energy, the D class offers cool, quiet operations and contributes to reducing your overall carbon footprint.

D90D8

The dual core D90D8 handles knowledge workers' demanding Windows® virtual desktops and cloud applications, including rich content creation and consumption, HD video, unified communications, and 3D graphics.

Digital signs and kiosk displays for a wide variety of industries – i.e. manufacturing, hospitality, retail, and healthcare – look great on a thin client that is Microsoft RemoteFX®, Citrix® HDX, VMware PCoIP, and HD video enabled.

D90Q8

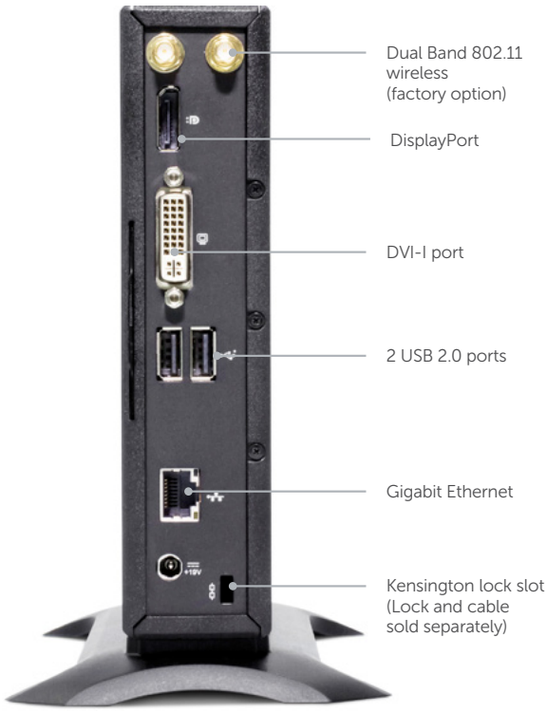
The D90Q8 delivers super-fast performance for those power users who need even higher-end graphics or advanced graphics intensive applications, such as computer aided design, 3D modeling, and multi-stream HD video.

See connectivity here.

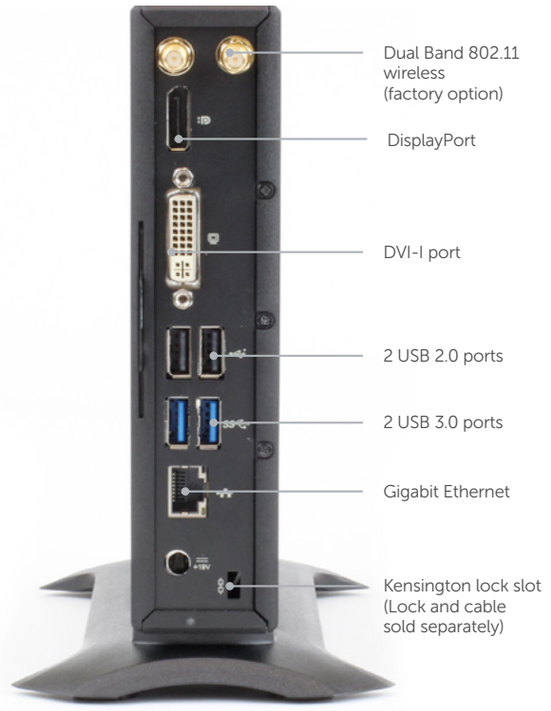
Product page

Specifications

Dell Wyse D class thin clients Connectivity



Rear view D90D8



Rear view D90Q8

Product page

Specifications

Dell Wyse Z class thin clients Features

Ultra high performance, class-leading connectivity

With so much power and so many familiar peripherals at their fingertips, the most demanding knowledge workers and power users will love the Dell Wyse Z class. It's perfect for those users who want to enjoy legacy and cutting edge peripherals while working with the most demanding, graphics intensive applications.

Z class offers a choice of dual or quad core AMD APUs with the broadest range of fast, flexible connectivity options. Multiple USB 3.0 and USB 2.0 ports are standard. There is an optional legacy connectivity module for serial, parallel, and PS/2 connections.

Using as little as 15 watts, the Z class is one cool, quiet operator and contributes to lowering your overall carbon footprint.

Z90D8

Knowledge workers and power users will enjoy the dual core Z90D8's high performance for demanding Windows® virtual desktop and cloud applications, including rich content creation and consumption, HD video, unified communications, and 3D graphics.

Z90Q8

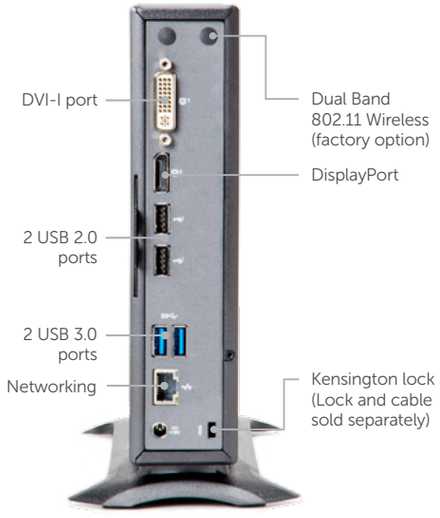
The quad core Z90Q8 delivers the best performance for power users who need even higher-end graphics, or graphics intensive workloads. The Z90Q8 offers the best performance for displaying, manipulating and work with stunning high definition, multimedia, 2D/3D graphics, HD video, computer aided design and modeling.

Z class connectivity here.

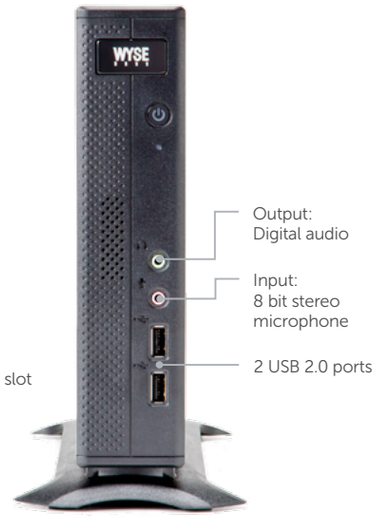
Product page

Z class Specifications

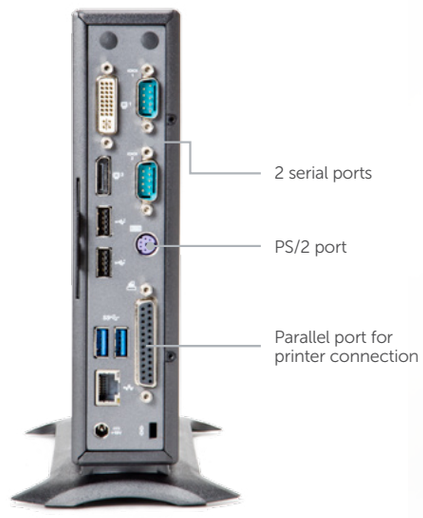
Dell Wyse Z class thin clients Connectivity



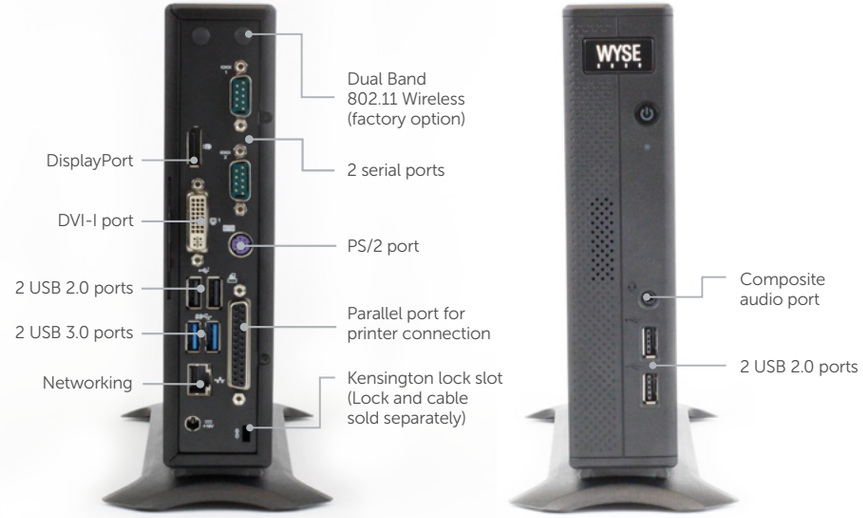
Z90D8



Z90D8



Legacy connectivity option



Z90Q8. Shown with optional legacy connectivity

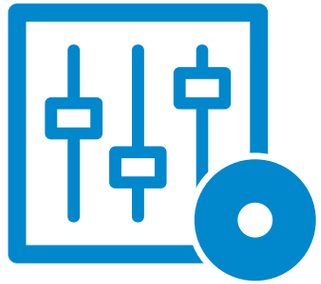
Product page

Z class Specifications

Dell Wyse Device Management

Easy Central Management

Dell Wyse device management for Windows® Embedded 8 Standard thin clients goes beyond what others offer with highly scalable, central management, eliminating the need for IT to visit or touch the physical devices. There are two ways to manage Dell Wyse Windows® 8 Embedded Standard thin clients.



Manage with Dell Wyse Device Manager

An easy, secure, and highly scalable thin and zero client management solution, Dell Wyse Device Manager (WDM) can help lower the total cost of ownership for large deployments of Dell Wyse cloud clients for your small organization or global enterprise. WDM features:

- Centralized management for over 100,000 clients all in one place, regardless of where they are located
- Policy-based configuration management, real-time asset management, automated firmware patches and updates, and health monitoring make managing cloud clients easy
- Security - WDM complements the security of Windows® Embedded 8 Standard with secure, encrypted communications to every endpoint

Learn more here.

Manage with Microsoft® System Center Configuration Manager

Dell Wyse Windows® Embedded 8 Standard cloud clients are fully integrated with Configuration Manager 2012 Service Pack 1 so you can continue using a single console for all of your networked devices and familiar configuration manager tools.

Windows® Embedded 8 Standard Specifications

Windows® Embedded 8 Standard Specifications

Firmware features	Microsoft Windows® Embedded 8 Standard Microsoft Internet Explorer® 10 resident: HTML, JavaScript, XML Citrix Receiver 3.4 Citrix XenDesktop Microsoft RemoteFX® (RDP8) VMware Horizon View 5.3 Client VMware PCoIP Dell Quest vWorkspace 8 Ericom PowerTerm InterConnect Terminal Emulation Windows® Media Player
Server OS Infrastructure support	Citrix XenApp / Citrix Presentation Server Citrix XenDesktop Microsoft Windows® Remote Desktop 2003 & 2008 R2, 2012 Microsoft VDI VMware Horizon View
Security	BitLocker Drive Encryption Secure Boot supported TPM hardware encryption supported UEFI specifications supported Unified Write Filter support Requires strong default password for the default user & administrator Windows® Firewall enabled by default Auto-run of (local) USB devices disabled by default
Set-up and configuration	Boot from local flash Microsoft Windows® Embedded 8 Standard user interface languages: English, French and German. Other languages available as optional add-ons.
Keyboard language support	U.S. English (standard), French, German, Spanish, U.K. English, 40 other languages included
Multi-touch capabilities	Supported with Dell touch screen monitors

Management	Remote management, configuration, and upgrades through Dell Wyse Device Manager and Microsoft System Center Configuration Manager 2012 Service Pack 1 Configuration Management with Dell Wyse Configuration Manager (coming soon) Complete image upgrade Terminal configuration (IP information, name, etc.) Reporting, Asset management Simple USB imaging solution with Dell Wyse USB Firmware Tool Native Windows Embedded Device Manager support for management via System Center Configuration Manager
Wireless support	802.11 a/b/g/n support with dual or single band internal wireless adapter option WPA-2, WEP, WPA wireless authentication PEAP-GTC wireless authentication protocol with optional Juniper Odyssey Client
Plug-ins	Adobe Flash Player Microsoft® Silverlight
Dell Wyse TCX Suite	Advanced support for innovative Dell Wyse TCX Suite virtualization software that both works with and enhances ICA and RDP (instead of replacing them) featuring: - Multimedia acceleration - the power to run rich multimedia files formats utilizing Dell Wyse Collaborative Processing Architecture (CPA) that intelligently redirects the necessary processing tasks between the thin client and the server. - Multi-display - ensures that windows and dialogue boxes behave the way users expect when using more than one monitor. - USB Virtualization - makes thin client-attached USB devices visible to virtual desktops and applications, with full IT control. - Bi-directional sound - enables virtual desktops and applications to receive and transmit high quality audio without compromise. - Flash acceleration - helps users of thin clients to experience improved Flash performance.
Dell Wyse Virtual Desktop Accelerator	Dell Wyse VDA works with instead of replacing existing RDP and ICA protocols, and is designed to offer significant acceleration over certain capacity-constrained WAN links.

Dell Wyse D class Hardware specifications

Operating System	Windows® Embedded 8 Standard
Processor	D90D8: AMD G-Series dual core T48E 1.4GHz with integrated AMD Radeon™ HD 6250 graphics D90Q8: Quad core AMD G-Series SoC 1.5GHz with integrated AMD Radeon™ HD 8330E graphics
Memory	D90D8: Standard: 16GB Flash / 4GB RAM DDR3-1066MHz Optional SSD storage D90Q8: 16GB Flash / 4GB RAM DDR3-1066MHz; SSD storage also supported
Graphics	D90D8: AMD Radeon HD 6250 graphics (integrate with APU) D90Q8: AMD Radeon™ HD 8330E graphics (integrate with APU)
Display	VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate DisplayPort: 2560x1600@32bpp DVI-I: 1920x1200@32bpp Dual display: 1920x1200@32bpp Supports single touch and multi-touch displays
Networking/Comm	10/100/1000 Base-T Gigabit Ethernet Optional single and dual band 802.11 a/b/g/n integrated wireless with external dual antenna Optional SFP Module support for Fiber NIC network connectivity Optional Bluetooth connectivity
I/O peripheral support	One DisplayPort. (Optional DisplayPort to DVI-I adapter available) One DVI-I port. DVI to VGA (DB-15) adapter included Four external USB 2.0 ports (2 front, 2 back) D90Q8: Two SuperSpeed USB 3.0 ports on rear (backwards-compatible with USB 2.0) Serial and parallel connectivity supported through USB 2.0 adapters
Audio	Composite audio jack: 1/8-inch mini, 16-bit stereo Internal mono speaker

Included	Enhanced USB keyboard with Windows keys PS/2 optical mouse
Factory options	SSD storage Built-in TPM chip for security Single and dual band 802.11 a/b/g/n integrated wireless with external dual antenna SFP Module support for Fiber NIC network connectivity Bluetooth connectivity
Mountings	Vertical foot, standard Optional VESA mounting bracket Optional Ergotron mounting bracket
Device security	Built-in Kensington security slot (cable sold separately) Built-in TPM chip (factory installed option)
Dimensions	Height: 6.7 inches (170 mm) Width: 1.6 inches (40 mm) Depth: 7.3 inches (185 mm) Weight: 2.05 lbs. / 0.93 kg
Power	Worldwide auto-sensing 100-240 VAC, 50/60 Hz 65W, 19V DC D90D8: Average power usage with device connected to 1 keyboard with 1 mouse and 1 monitor: under 9 watts, average
Power consumption	D90D8: Under 9 watts (average)
Temperature range	Vertical position: 32° to 104° F (10° to 40° C) Storage: 14° to 140° F (-10° to 60° C)
Humidity	20% to 80% condensing 10% to 95% non-condensing
Warranty	Three-year limited hardware warranty. Optional WyseChoice extensions and upgrades at www.wyse.com/warranties.

D class Features

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Dell Wyse Z class Hardware specifications

Operating System	Windows® Embedded 8 Standard
Processors	Z90D8: Dual-core AMD G-T56N 1.65 GHz GHz with integrated AMD Radeon™ HD 6320 graphics Z90Q8: Quad core AMD G-Series SoC 2.0GHz with integrated AMD Radeon™ HD 8400E graphics
Memory	Z90D8: Standard: 16GB Flash/4GB RAM. Optional SSD storage Z90Q8: 16GB Flash / 4GB RAM DDR3-1066MHz; SSD storage also supported
Graphics	Z90D8: AMD Radeon HD 6320 Z90Q8: AMD Radeon™ HD 8400E graphics (integrate with APU)
Display	VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate DisplayPort: 2560x1600@32bpp DVI-I: 1920x1200@32bpp Dual display: 1920x1200@32bpp Supports single touch and multi-touch displays
Networking/Comm	10/100/1000 Gigabit Ethernet Optional internal wireless 802.11 a/b/g and dual-band n Optional Bluetooth connectivity
I/O peripheral support	One DisplayPort (optional DisplayPort to DVI-D adapter available, sold separately) One DVI-I port, DVI to VGA (DB-15) adapter included Six total USB ports: Four USB 2.0 ports (two front, two rear) and two SuperSpeed USB 3.0 ports on rear (backwards-compatible with USB 2.0) Optional legacy connectivity (adds 2 serial ports, 1 parallel port, and 1PS/2 port)
Audio	Output: 1/8-inch mini jack, full 16-bit stereo, 48KHz sample rate; Digital audio out, internal mono speaker Z90Q8: Composite audio jack: 1/8-inch mini, 16-bit stereo Z90Q8: Internal mono speaker
Included	Enhanced USB keyboard with Windows keys PS/2 optical mouse

Factory opt	SSD storage Built-in TPM chip for security Internal wireless 802.11 a/b/g and dual-band n Legacy connectivity (adds 2 serial ports, 1 parallel port, and 1PS/2 port) Bluetooth connectivity
Mountings	Vertical foot, included Optional horizontal feet Optional VESA mounting bracket Optional Ergotron mounting bracket
Device security	Built-in Kensington security slot (cable sold separately) Built-in TPM chip (factory installed option)
Dimensions	Height: 7.87 inches (200 mm) Width: 1.85 inches (47 mm) Depth: 8.85 inches (225 mm) Weight: 2.42 lbs (1.1 kg)
Shipping weight	6 lbs. (2.7kg)
Power	Worldwide auto-sensing 100-240 VAC, 50/60 Hz Z90D8: Average power usage with device connected to 1 keyboard with 1 mouse and 1 monitor: under 15 watts average
Power consumption	Z90D8: Under 15 watts (average)
Temperature range	Horizontal position: 50° to 95° F (10° to 35° C) Vertical position, power button up: 50° to 104° F (10° to 40° C) Storage: 14° to 140° F (-10° to 60° C)
Humidity	20% to 80% condensing 10% to 95% non-condensing
Warranty	Three-year limited hardware warranty. Optional WyseChoice extensions and upgrades at www.wyse.com/warranties.

Z class Features

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Dell cloud client computing
3471 North First Street,
San Jose, CA 95134-1801

Visit our website at:
http://www.dellwyse.com or
send email to: sales@wyse.com

Dell Wyse Sales
1-800-438-9973

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About Dell

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Approved final 111113.